

### REMARKS

Claims 1, 6, 8, 9, 13, 14 and 16 are rejected under 35 U.S.C. §103(a) as being unpatentable over *Porzilli* in view of *Adamson*. Claims 2-5, 7, 10-12, 17, 15 and 17-24 are rejected under 35 U.S.C. §103(a) as being unpatentable over *Porzilli* and *Adamson* in view of *Mitchell*. Applicant traverses these rejections on the grounds that these references are defective in establishing a *prima facie* case of obviousness.

Independent claim 1 calls for:

“an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions of variable distances from the speaker, each stepped portion being a different distance from the speaker than each other stepped portion, and each stepped portion being substantially parallel to each other stepped portion and to the speaker, whereby sound energy which is radiated rearward of the speaker and perpendicular to the speaker is segmented and reflected directly forward by the stepped portions, substantially perpendicular to the speaker.”

Independent claim 9 calls for:

“an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions, each stepped portion being of a different distance from the speaker than each other stepped portion, and each stepped portion being substantially parallel to each other stepped portion and to the speaker, whereby each stepped portion reflects sound energy radiated rearward of the speaker back towards the speaker at a resonant frequency length different from each other stepped portion.”

Independent claim 17 calls for:

“an acoustic box connected to the speaker, the box having a sound reflecting distal wall including a plurality of stepped portions, each stepped portion being of a different distance from the speaker than each other stepped portion, and each stepped portion being substantially parallel to each other stepped portion and to the speaker, whereby a sound wave propagating rearward of the speaker is segmented and reflected forward by each stepped portion at a different time than any other stepped portion.”

As the PTO recognizes in MPEP § 2142:

...The Examiner bears the initial burden of factually supporting any *prima facie* conclusion of obviousness. If the Examiner does not produce a *prima facie* case, the Applicant is under no obligation to submit evidence of nonobviousness.....the Examiner must step backward in time and into the shoes worn by the hypothetical ‘person of ordinary skill in the art’ when the invention was unknown and just before it was made....The Examiner must put aside knowledge of the Applicant’s disclosure, refrain from using hindsight, and consider the subject matter claimed ‘as a whole.’”

There is no teaching, incentive or motivation in the references for providing the claimed combination which is clearly described in the application.

Therefore, there is simply no basis in the art for combining the references to support a 35 U.S.C. §103 rejection because neither references teach or even suggest the desirability of the combination. Moreover, neither patent provides any incentive or motivation supporting the desirability of the combination.

The MPEP §2143.01 provides:

The mere fact that references can be combined or modified does not render the resultant combination obvious unless the prior art also suggests the desirability of the combination. *In re Mills*, 916 F.2d 680, 16 USPQ2d 1430 (Fed. Cir. 1990).

Therefore, the Examiner's combination arises solely from hindsight based on the invention without any showing of suggestion, incentive or motivation in either reference for the combination.

Thus, the Examiner's burden of factually supporting a *prima facie* case of obviousness has clearly not been met.

The Federal Circuit has, on many occasions, held that was no basis for combining references to support a 35 U.S.C. §103 rejection. For example, in *In re Geiger*, the court stated in holding that the PTO "failed to establish a *prima facie* case of obviousness":

Obviousness cannot be established by combining the teachings of the prior art to produce the claimed invention, absent some teaching, suggestion or incentive supporting the combination. *ACS Hospital Systems, Inc. v. Monteffiore Hospital*, 732 F.2d 1572, 1577, 221 USPQ 929, 933 (Fed. Cir. 1984).

The Federal Circuit has also repeatedly warned against using the applicant's disclosure as a blueprint to reconstruct the claimed invention out of isolated teachings in the prior art. See, e.g., *Grain Processing Corp. v. American Maize-Products*, 840 F.2d 902, 907, 5 USPQ2d 1798, 1792 (Fed. Cir. 1989).

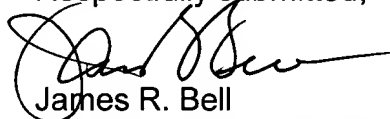
More recently, the Federal Circuit found motivation absent in *In re Rouffet*, 149 F.3d 1350, 47 USPQ2d 1453 (Fed. Cir. 1998). In this case, the court concluded that the board had "reversibly erred in determining that one of [ordinary] skill in the art would have been motivated to combine these references in a manner that rendered the claimed invention [to have been] obvious." The court noted that to "prevent the use of hindsight based on the invention to defeat patentability of the invention, this court requires the examiner to show a motivation to combine the references that create the

case of obviousness." The court further noted that there were three possible sources for such motivation, namely "(1) the nature of the problem to be solved; (2) the teachings of the prior art; and (3) the knowledge of persons of ordinary skill in the art." Here, according to the court, the board had relied simply upon "the high level of skill in the art to provide the necessary motivation," without explaining what specific understanding or technological principle within the knowledge of one of ordinary skill in the art would have suggested the combination. Notably, the court wrote: "If such a rote invocation could suffice to supply a motivation to combine, the more sophisticated scientific fields would rarely, if ever, experience a patentable technical advance."

Therefore, independent claims 1, 9 and 17 and the claims dependent therefrom are submitted to be allowable.

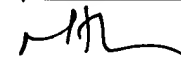
In view of the above, it is respectfully submitted that claims 1-24 are in condition for allowance. Accordingly, an early Notice of Allowance is courteously solicited.

Respectfully submitted,

  
James R. Bell  
Registration No. 26,528

Dated: 1-22-04  
HAYNES AND BOONE, L.L.P.  
901 Main Street, Suite 3100  
Dallas, Texas 75202-3789  
Telephone: 512/867-8407  
Facsimile: 214/200-0853  
ipdocketing@haynesboone.com

A-158684\_1.DOC

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Mail Stop Fee Amendment, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
on	<u>1/23/04</u>
Date	<u></u>
Signature	<u>NISHI PASARYA</u>
Typed or Printed name of person signing Certificate	